



Items for discussion Monday 26th

- ❖ How to organize the input to ESG? See Ralph talk
- ❖ Synergies with Euronac
- ❖ ALC

- ❖ ALEGRO should continue beyond 2018: steered by WG leaders, volunteers welcome, page on ICFA ANA website
- ❖ Future ALEGRO Actions
 - ALEGRO meeting August 12th 2018 AAC satellite meeting, save the date
 - Tbd : milestones to monitor progress, workshops on specific topics



Conclusion

Novel Accelerators in Europe and Strategy forward

- Good developments for novel accelerators in Europe, growing nicely but getting more complex.
- EuroNNAc input presented to 2012 strategy, published in 2017, shown here.
- Best way for lobbying should be clearly discussed among us: great opportunities out there but we must coordinate closely.
- EuroNNAc goal: Explicit mention in CERN strategy of novel accelerators as future activity required for European particle physics!
- Do we want ALC mentioned?





Advanced LinEar collider study GROup: organisation

Opened to contributions from
interested scientists worldwide

ICFA
ICFA ANA



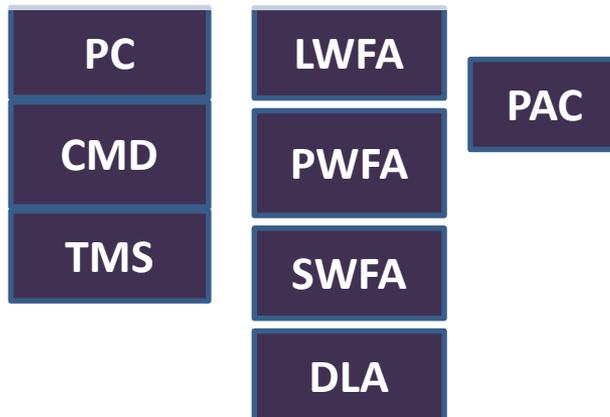
ALEGRO
Steering Group



Euronac

B Cros
C Schroeder
P Muggli

ALEGRO Working Groups



ALEGRO WG titles and leaders:

PC: Physics Case (M Peskin, J Tian)

CMD: Collider Machine Design (A Seryi, D Schulte, H Yamamoto)

TMS: Theory, Modelling, Simulations (JL Vay, J. Vieira, H Vincenti)

LWFA: Laser wakefield Accelerators (C. Schroeder, S. Hooker, B. Cros)

PWFA: Plasma wakefield Accelerators (J Osterhoff, E Gschwendter, P Muggli)

PAC: Positron acceleration (S. Gessner, S. Corde)

SWFA: Structure wakefield accelerator (P Piot, J Power)

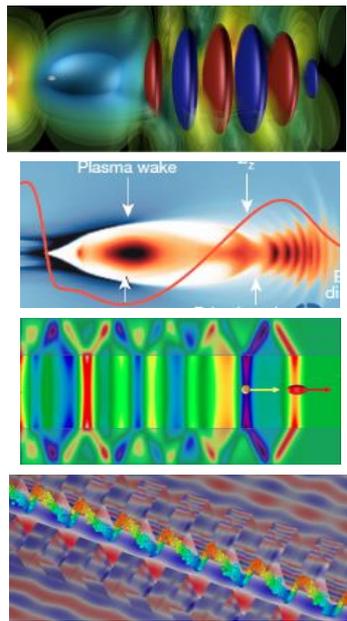
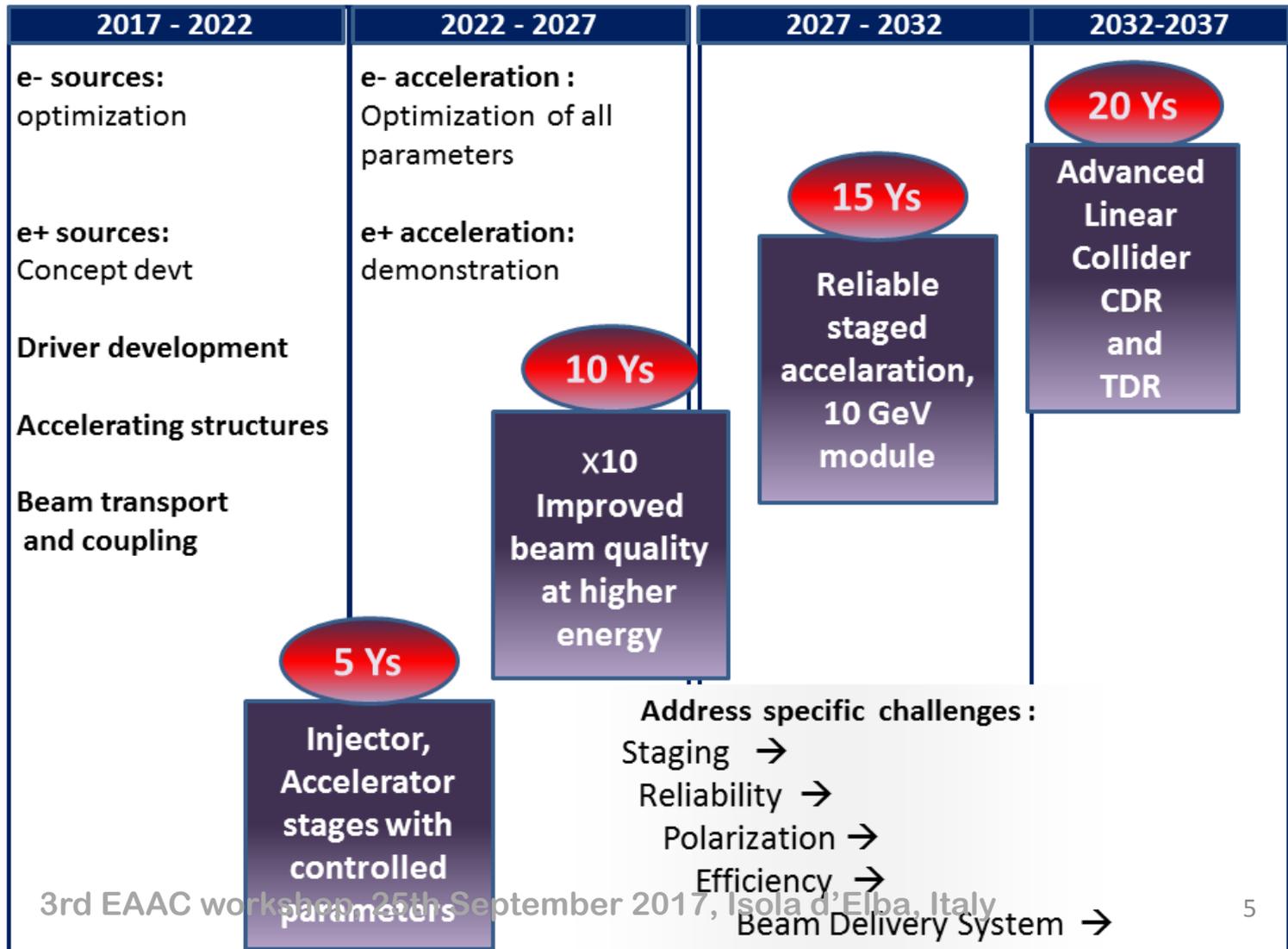
DLA: Dielectric laser accelerator (J England, B Cowan)



ALEGRO input to ES: Content

- Physics programme
- Scientific objectives and challenges of advanced accelerators
- Advanced Accelerator Project (s) (medium/long term)
 - Required high priority R&D, with possibly the construction of a test facility
- Partners and cost of R&D

4ANAs scientific roadmap up to design report delivery



Advanced LinEar collider study GROup: missions

ALEGRO 2018



- ❖ To foster and trigger Advanced Linear Collider related activities
- ❖ Provide a framework to amplify international coordination, broaden the community, involving accelerator labs/institutes
- ❖ Identify topics requiring intensive R&D and facilities needed

- 1st action : **Report** on ANA priorities as input for the European Research Strategy Group for HEP: due end of 2018
- a series of **workshops** to discuss and finalize the roadmap and priorities is planned (WG8 EAAC sep 2017, 26-29 March 2018 Oxford, AAC 2018)